

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|---------------------|
| L1 | 101 | ((359/2).C.A.S.) or ((359/566).C.A.S.) or ((359/569).C.A.S.) or ((359/558).C.A.S.) or ((359/571).C.A.S.) or ((359/572).C.A.S.) or ((356/72).C.A.S.) or ((356/73.1).C.A.S.) or ((385/12).C.A.S.) or ((385/128).C.A.S.) or ((385/37).C.A.S.) or ((250/559.04).C.A.S.) or ((250/559.11).C.A.S.) or ((250/559.4).C.A.S.) or ((250/227.14).C.A.S.) or ((250/227.29).C.A.S.) or ((250/566).C.A.S.) or ((250/568).C.A.S.) or ((235/473).C.A.S.) or ((435/4).C.A.S.) or ((435/288.7).C.A.S.)) and (((bragg) near3 (reflect\$)) same (substrate or (optic\$ near3 (fiber or waveguide)))) and (id or identif\$ or code or information or authent\$) and ((bind\$3 or attach\$4 or connect\$3 or bound\$3) with (chemical or element or species or assay or ion or molecule or atom\$2)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/04/21 10:15 |
| L2 | 124 | ((435/6).C.A.S.) and ((diffract\$ or bragg or hologra\$) near3 grating) and (substrate or (optic\$4 near3 fiber)) and (chemical or species or assay) and (refract\$ near3 ind\$4) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/04/21 10:15 |
| L3 | 216 | ((435/6).C.A.S.) and ((diffract\$ or bragg or hologra\$) near3 grating) and (substrate or (optic\$4 near3 fiber)) and (chemical or species or assay) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/04/21 10:16 |
| L4 | 227 | ((359/2).C.A.S.) or ((359/566).C.A.S.) or ((359/569).C.A.S.) or ((359/558).C.A.S.) or ((359/571).C.A.S.) or ((359/572).C.A.S.) or ((356/72).C.A.S.) or ((356/73.1).C.A.S.) or ((385/12).C.A.S.) or ((385/128).C.A.S.) or ((385/37).C.A.S.) or ((250/559.04).C.A.S.) or ((250/559.11).C.A.S.) or ((250/559.4).C.A.S.) or ((250/227.14).C.A.S.) or ((250/227.29).C.A.S.) or ((250/566).C.A.S.) or ((250/568).C.A.S.) or ((235/473).C.A.S.) or ((435/4).C.A.S.) or ((435/288.7).C.A.S.)) and (((bragg) near3 (grating or reflect\$)) same (substrate or (optic\$ near3 (fiber or waveguide)))) and (id or identif\$ or code or information or authent\$) and ((bind\$3 or attach\$4 or connect\$3 or bound\$3) with (chemical or element or species or assay or ion or molecule or atom\$2)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/04/21 10:16 |
| L5 | 14 | ((435/6).C.A.S.) and (((bragg) near3 (grating or reflect\$)) same (substrate or (optic\$ near3 (fiber or waveguide)))) and (id or identif\$ or code or information or authent\$) and ((bind\$3 or attach\$4 or connect\$3 or bound\$3) with (chemical or element or species or assay or ion or molecule or atom\$2)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/04/21 10:16 |
| L6 | 9 | ((435/6).C.A.S.) and (((bragg) near3 (reflect\$)) same (substrate or (optic\$ near3 (fiber or waveguide)))) and (id or identif\$ or code or information or authent\$) and ((bind\$3 or attach\$4 or connect\$3 or bound\$3) with (chemical or element or species or assay or ion or molecule or atom\$2)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/04/21 10:16 |
| L7 | 395 | ((359/2).C.A.S.) or ((359/566).C.A.S.) or ((359/569).C.A.S.) or ((359/558).C.A.S.) or ((359/571).C.A.S.) or ((359/572).C.A.S.) or ((356/72).C.A.S.) or ((356/73.1).C.A.S.) or ((385/12).C.A.S.) or ((385/128).C.A.S.) or ((385/37).C.A.S.) or ((250/559.04).C.A.S.) or ((250/559.11).C.A.S.) or ((250/559.4).C.A.S.) or ((250/227.14).C.A.S.) or ((250/227.29).C.A.S.) or ((250/566).C.A.S.) or ((250/568).C.A.S.) or ((235/473).C.A.S.) or ((435/4).C.A.S.) or ((435/288.7).C.A.S.)) and (((diffract\$ or bragg or hologra\$) near3 grating) same (substrate or (optic\$ near3 (fiber or waveguide)))) and (id or identif\$ or code or information or authent\$) and ((bind\$3 or attach\$4 or connect\$3 or bound\$3) with (chemical or element or species or assay or ion or molecule or atom\$2)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/04/21 10:16 |

EAST Search History

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|-----|-------|--|---|----|-----|---------------------|
| L8 | 122 | ((435/6).C.A.S.) and (((diffract\$ or bragg or hologra\$) near3 grating) same (substrate or optic\$ near3 (fiber or waveguide)))) and (id or identif\$ or code or information or authent\$) and ((bind\$3 or attach\$4 or connect\$3 or bound\$3) with (chemical or element or species or assay or ion or molecule or atom\$2)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/04/21 10:17 |
| L9 | 173 | ((((436/518).C.A.S.) or ((436/524).C.A.S.) or ((436/525).C.A.S.) or ((436/526).C.A.S.) or ((436/527).C.A.S.) or ((436/528).C.A.S.) or ((436/531).C.A.S.)) and grating) and (refract\$ near3 ind\$4) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/04/21 10:17 |
| L10 | 289 | ((436/518).C.A.S.) or ((436/524).C.A.S.) or ((436/525).C.A.S.) or ((436/526).C.A.S.) or ((436/527).C.A.S.) or ((436/528).C.A.S.) or ((436/531).C.A.S.)) and grating | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/04/21 10:17 |
| L11 | 24883 | ((359/2).C.A.S.) or ((359/566).C.A.S.) or ((359/569).C.A.S.) or ((359/558).C.A.S.) or ((359/571).C.A.S.) or ((359/572).C.A.S.) or ((356/72).C.A.S.) or ((356/73.1).C.A.S.) or ((385/12).C.A.S.) or ((385/128).C.A.S.) or ((385/37).C.A.S.) or ((250/559.04).C.A.S.) or ((250/559.11).C.A.S.) or ((250/559.4).C.A.S.) or ((250/227.14).C.A.S.) or ((250/227.29).C.A.S.) or ((250/566).C.A.S.) or ((250/568).C.A.S.) or ((235/473).C.A.S.) or ((435/4).C.A.S.) or ((435/288.7).C.A.S.) or ((359/896).C.A.S.) or ((359/900).C.A.S.) or ((385/147).C.A.S.) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/04/21 10:17 |
| L12 | 199 | (359/34).C.A.S. | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2006/04/21 10:17 |
| L13 | 180 | (359/570).C.A.S. | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2006/04/21 10:17 |
| L14 | 387 | (359/577).C.A.S. | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2006/04/21 10:17 |
| L15 | 1971 | (385/31).C.A.S. | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2006/04/21 10:17 |
| L16 | 26875 | L11 or L12 or L13 or L14 or L15 | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/04/21 10:17 |

EAST Search History

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|-----|-----|--|---|----|----|---------------------|
| L17 | 783 | (((((359/2).C.A.S.) or ((359/566).C.A.S.) or ((359/569).C.A.S.) or ((359/558).C.A.S.) or ((359/571).C.A.S.) or ((359/572).C.A.S.) or ((356/72).C.A.S.) or ((356/73.1).C.A.S.) or ((385/12).C.A.S.) or ((385/128).C.A.S.) or ((385/37).C.A.S.) or ((250/559.04).C.A.S.) or ((250/559.11).C.A.S.) or ((250/559.4).C.A.S.) or ((250/227.14).C.A.S.) or ((250/227.29).C.A.S.) or ((250/566).C.A.S.) or ((250/568).C.A.S.) or ((235/473).C.A.S.) or ((435/4).C.A.S.) or ((435/288.7).C.A.S.)) and ((diffract\$ or bragg or hologra\$ near3 grating) and (substrate or (optic\$4 near3 fiber)) and (chemical or species or assay)) and (refract\$ near3 ind\$4) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/04/21 10:18 |
| L18 | 552 | (((((359/2).C.A.S.) or ((359/566).C.A.S.) or ((359/569).C.A.S.) or ((359/558).C.A.S.) or ((359/571).C.A.S.) or ((359/572).C.A.S.) or ((356/72).C.A.S.) or ((356/73.1).C.A.S.) or ((385/12).C.A.S.) or ((385/128).C.A.S.) or ((385/37).C.A.S.) or ((250/559.04).C.A.S.) or ((250/559.11).C.A.S.) or ((250/559.4).C.A.S.) or ((250/227.14).C.A.S.) or ((250/227.29).C.A.S.) or ((250/566).C.A.S.) or ((250/568).C.A.S.) or ((235/473).C.A.S.) or ((435/4).C.A.S.) or ((435/288.7).C.A.S.)) or ((359/896).C.A.S.) or ((359/900).C.A.S.) or ((385/147).C.A.S.)) and ((bragg near3 grating) same (optic\$4 near3 (fiber or waveguide)))) and ((cut\$4 or cleav\$3 or break\$3 or slic\$3 or split\$4) with fiber) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/04/21 10:19 |
| L19 | 483 | L16 and ((bragg near3 grating) same (optic\$4 near3 (fiber or waveguide)))) and ((phase or amplitude) near4 mask\$3) and (uv or ultraviolet or ultra?violet or (ultra near3 violet)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/04/21 10:19 |
| L20 | 570 | L16 and ((bragg near3 grating) same (optic\$4 near3 (fiber or waveguide)))) and ((cut\$4 or cleav\$3 or break\$3 or slic\$3 or split\$4) with fiber) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/04/21 10:19 |
| L21 | 143 | L19 and (drum or cylind\$) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/04/21 10:19 |
| L22 | 160 | L19 and (drum or cylind\$ or reel or spool\$3) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/04/21 10:19 |
| L23 | 483 | L16 and ((bragg near3 grating) same (optic\$4 near3 (fiber or waveguide)))) and ((phase or amplitude) near4 mask\$3) and (uv or ultraviolet or ultra?violet or (ultra near3 violet)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/04/21 10:20 |
| L24 | 37 | ("20020085596" "20020094146" "20020122454" "20020168153" "20020195611" "5511083" "5546481" "5717804" "5724377" "5732170" "5771250" "5812716" "5844927" "5930430" "5993073" "5995692" "6061172" "6257772" "6273620" "6282351" "6310997" "6314220" "6318908" "6377742" "6435734" "6445858" "6459710" "6513993" "6530698" "6618405" "6693304" "6697414" "6726376" "6792008" "6792012" "6808316" "6837627").PN | US-P6PUB; USPAT; USOCR | OR | ON | 2006/04/21 12:34 |

EAST Search History

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| L25 | 202 | 16 and ((grating near3 (writ\$4 or record\$4)) with (fiber\$2 or substrate\$2 or base\$2)) and (cut\$4 or split\$4 or divid\$4) and (adhe\$5 or epox\$3 or glu\$3 or bond\$4 or cement\$4) | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/04/21 14:45 |
| L26 | 52 | 16 and ((grating near3 (writ\$4 or record\$4)) with (fiber\$2 or substrate\$2 or base\$2)) with bragg) and (cut\$4 or split\$4 or divid\$4) and wind\$4 | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/04/21 14:56 |
| L27 | 36 | 16 and ((grating near3 (writ\$4 or record\$4)) with (fiber\$2 or substrate\$2 or base\$2)) and (cut\$4 or split\$4 or divid\$4) and wind\$4 and identif\$ | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/04/21 14:57 |
| L28 | 36 | 16 and ((grating near3 (writ\$4 or record\$4)) with (fiber\$2 or substrate\$2 or base\$2)) and (cut\$4 or split\$4 or divid\$4) and wind\$4 and (identif\$ or authentic\$) | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/04/21 15:03 |
| L29 | 63 | 16 and ((grating near3 (writ\$4 or record\$4))) and (cut\$4 or split\$4 or divid\$4) and wind\$4 and (identif\$ or authentic\$) | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/04/21 15:20 |
| L30 | 176 | ((grating near3 (writ\$4 or record\$4))) and (cut\$4 or split\$4 or divid\$4) and wind\$4 and (identif\$ or authentic\$) and (adhe\$5 or epox\$3 or glu\$3 or bond\$4 or cement\$4) | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/04/21 15:52 |
| L31 | 138 | ((grating near3 (writ\$4 or record\$4)) with (fiber\$2 or substrate\$2 or base\$2)) and (cut\$4 or split\$4 or divid\$4) and wind\$4 and (adhe\$5 or epox\$3 or glu\$3 or bond\$4 or cement\$4) | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/04/21 16:25 |
| L32 | 6 | ((grating near3 (writ\$4 or record\$4)) and (cut\$4 or split\$4 or divid\$4) and wind\$4).clm. | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/04/21 16:26 |
| L33 | 9 | ((grating near3 (writ\$4 or record\$4)) and (cut\$4 or split\$4 or divid\$4) and (adhe\$5 or epox\$3 or glu\$3 or bond\$4 or cement\$4)).clm. | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2006/04/21 16:28 |

EAST Search History

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|----|-------|--|---|----|-----|------------------|
| S1 | 30 | ("4410561" "4434554" "4511095" "4623156" "4630406" "4653681" "4662307" "4865411" "4976596" "5022735" "5104209" "5114066" "5157747" "5208877" "5269206" "5340371" "5451294" "5481638" "5604829" "5620495" "5684910" "5745615" "5894540" "5939136" "5988556" "6027062" "6069988" "6088503" "6123801" "6434314").PN. | USPAT | OR | ON | 2004/10/04 10:23 |
| S2 | 21566 | ((359/2).CCL.S.) or ((359/566).CCL.S.) or ((359/569).CCL.S.) or ((359/558).CCL.S.) or ((359/571).CCL.S.) or ((359/572).CCL.S.) or ((356/72).CCL.S.) or ((356/73.1).CCL.S.) or ((385/12).CCL.S.) or ((385/128).CCL.S.) or ((385/37).CCL.S.) or ((250/559.04).CCL.S.) or ((250/559.11).CCL.S.) or ((250/559.4).CCL.S.) or ((250/227.14).CCL.S.) or ((250/227.29).CCL.S.) or ((250/566).CCL.S.) or ((250/568).CCL.S.) or ((235/473).CCL.S.) or ((435/4).CCL.S.) or ((435/288.7).CCL.S.) or ((359/896).CCL.S.) or ((359/900).CCL.S.) or ((385/147).CCL.S.) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/10/04 10:49 |
| S3 | 19 | S2 and kashyap.in. | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/10/04 10:50 |
| S4 | 173 | (359/34).CCL.S. | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2004/10/04 11:01 |
| S5 | 165 | (359/570).CCL.S. | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2004/10/04 11:01 |
| S6 | 308 | (359/577).CCL.S. | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2004/10/04 11:01 |
| S7 | 1547 | (385/31).CCL.S. | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2004/10/04 11:01 |
| S8 | 23185 | S2 or S4 or S5 or S6 or S7 | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/10/04 11:02 |
| S9 | 459 | S8 and ((bragg near3 grating) same (optic\$4 near3 (fiber or waveguide))) and ((cut\$4 or cleav\$3 or break\$3 or slic\$3 or split\$4) with fiber) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/10/04 11:14 |

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| S10 | 362 | S8 and ((bragg near3 grating) same (optic\$4 near3 (fiber or waveguide))) and ((phase or amplitude) near4 mask\$3) and (uv or ultraviolet or ultra?violet or (ultra near3 violet)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/10/04 12:58 |
| S11 | 112 | S10 and (drum or cylind\$) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/10/04 11:16 |
| S12 | 125 | S10 and (drum or cylind\$ or reel or spool\$3) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/10/04 11:21 |
| S13 | 2 | ("5912999").PN. | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2004/10/04 11:21 |
| S14 | 2 | ("6174648").PN. | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2004/10/04 12:37 |
| S15 | 20 | ((bragg near3 grating) same (optic\$4 near3 (fiber or waveguide))) and ((phase or amplitude) near4 mask\$3) and (uv or ultraviolet or ultra?violet or (ultra near3 violet)) and (drum or cylind\$ or reel or spool\$3) and (strip\$ near4 (buffer or coating)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/10/04 13:21 |
| S16 | 146 | ((bragg near3 grating) same (optic\$4 near3 (fiber or waveguide))) and ((phase or amplitude) near4 mask\$3) and (uv or ultraviolet or ultra?violet or (ultra near3 violet)) and (drum or cylind\$ or reel or spool\$3) and (photosensitiv\$ or photo?sensitiv\$ or (photo near3 sensitiv\$)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/10/04 13:44 |
| S17 | 5 | ((bragg near3 grating) same (optic\$4 near3 (fiber or waveguide))) and ((phase or amplitude) near4 mask\$3) and (wind\$3 with (drum or cylind\$ or reel or spool\$3)) and (photosensitiv\$ or photo?sensitiv\$ or (photo near3 sensitiv\$)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/10/04 13:48 |
| S18 | 8 | ((bragg near3 grating) same (optic\$4 near3 (fiber or waveguide))) and ((phase or amplitude) near4 mask\$3) and (wind\$3 with (drum or cylind\$ or reel or spool\$3)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/10/04 13:50 |
| S19 | 2 | ((bragg near3 grating) same (optic\$4 near3 (fiber or waveguide))) and ((wrap\$4 or wind\$3) same (bind\$3 or adhe\$ or epox\$ or glu\$3 or bound or attached\$3) same sheet same (resin or polymer or plastic)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/10/04 13:53 |

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| S20 | 132 | ((bragg near3 grating) same (optic\$4 near3 (fiber or waveguide))) and ((wrap\$4 or wind\$3) same (bind\$3 or adhe\$ or epox\$ or glu\$3 or bound or attached\$3)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/10/04 14:33 |
| S21 | 218 | ((bragg near3 grating) same (optic\$4 near3 (fiber or waveguide))) and ((bind\$3 or adhe\$ or epox\$ or glu\$3 or bound or attached\$3) with (plural\$3 or multiple or group\$3)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/10/04 15:05 |
| S22 | 169 | ((bragg near3 grating) same (optic\$4 near3 (fiber or waveguide))) and ((expos\$ or writ\$3 or record\$3) with simultaneous\$) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/10/04 15:26 |
| S23 | 354 | ((bragg near3 grating) same (optic\$4 near3 (fiber or waveguide))) and ((cut\$4 or slic\$3 or dic\$3 or split\$4 or cleav\$3 or break\$3) with (bead or particle or element)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/10/04 17:35 |
| S24 | 28 | S23 and ((bond\$3 or adhe\$ or epox\$ or glu\$3) with (dissolv\$3 or etch\$3)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/10/04 15:30 |
| S25 | 66 | ((bragg near3 grating) same (optic\$4 near3 (fiber or waveguide))) and ((bond\$3 or adhe\$ or epox\$ or glu\$3) with (dissolv\$3 or etch\$3)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/10/04 17:35 |

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| 526 | 215 | (US-6785433-\$ or US-6751387-\$ or US-6694067-\$ or US-6591054-\$ or US-6586193-\$ or US-6579673-\$ or US-6542673-\$ or US-6506342-\$ or US-6483096-\$ or US-6469785-\$ or US-6437345-\$ or US-6436651-\$ or US-6434298-\$ or US-6399295-\$ or US-6395558-\$ or US-6365907-\$ or US-6352828-\$ or US-6350413-\$ or US-6346376-\$ or US-6317528-\$ or US-6314220-\$ or US-6312961-\$ or US-6292282-\$ or US-6289144-\$ or US-6280935-\$ or US-6268222-\$).did. or (US-6251691-\$ or US-6235475-\$ or US-6221579-\$ or US-6214560-\$ or US-6172218-\$ or US-6172214-\$ or US-6150516-\$ or US-6096496-\$ or US-6093536-\$ or US-6087655-\$ or US-6087186-\$ or US-6078705-\$ or US-6060256-\$ or US-6036807-\$ or US-6035082-\$ or US-6005691-\$ or US-5994150-\$ or US-5989923-\$ or US-5961924-\$ or US-5925878-\$ or US-5922550-\$ or US-5903340-\$ or US-5846719-\$ or US-5841555-\$ or US-5832165-\$ or US-5822472-\$ or US-5814565-\$).did. or (US-5793485-\$ or US-5784157-\$ or US-5780231-\$ or US-5770455-\$ or US-5745615-\$ or US-5742432-\$ or US-5729365-\$ or US-5671308-\$ or US-5646400-\$ or US-5627663-\$ or US-5608519-\$ or US-5565324-\$ or US-5506674-\$ or US-5478527-\$ or US-5455178-\$ or US-5446534-\$ or US-5442433-\$ or US-5394234-\$ or US-5374816-\$ or US-5352582-\$ or US-5300764-\$ or US-5291027-\$ or US-5210404-\$ or US-5172250-\$ or US-5156810-\$ or US-5118608-\$ or US-5113286-\$).did. or (US-5100238-\$ or US-5089387-\$ or US-5082629-\$ or US-5081012-\$ or US-5071248-\$ or US-5066133-\$ or US-RE33581-\$ or US-5003600-\$ or US-4931384-\$ or US-4892385-\$ or US-4880752-\$ or US-4876208-\$ or US-4815843-\$ or US-4767719-\$ or US-4647544-\$ or US-4576439-\$ or US-4568141-\$ or US-4023010-\$ or US-4011435-\$ or US-5846839-\$ or US-6272886-\$ or US-6741773-\$ or US-6665483-\$ or US-6577792-\$ or US-6532327-\$ or US-6088503-\$ or US-5104209-\$).did. or (US-6442305-\$ or US-5572609-\$ or US-5400422-\$ or US-6284437-\$ or US-5912999-\$ or US-6728444-\$ or US-6404956-\$ or US-6344298-\$ or US-6084998-\$ or US-6442312-\$ or US-6067392-\$ or US-6174648-\$ or US-5999671-\$ or US-6529658-\$ or US-5600665-\$).did. or (US-20040181344-\$ or US-20040175843-\$ or US-20040179267-\$ or US-20040179266-\$ or US-20040175842-\$ or US-20040132205-\$ or US-20040151626-\$ or US-20040132214-\$ or US-20040145752-\$ or US-20040130786-\$ or US-20040132172-\$ or US-20040130761-\$ or US-20040126875-\$ or US-20040130760-\$ or US-20030142704-\$ or US-20030138207-\$ or US-20030133640-\$ or US-20030132406-\$ or US-20030129654-\$ or US-20030124599-\$ or US-20030113766-\$ or US-20030104390-\$ or US-20030092075-\$ or US-20030082587-\$ or US-20030077660-\$ or US-20040125424-\$).did. or (US-20040053295-\$ or US-20040075907-\$ or US-20040063146-\$ or US-20030068657-\$ or US-20030059855-\$ or US-20030049620-\$ or US-20030032039-\$ or US-20030027328-\$ or US-20030027327-\$ or US-20030026891-\$ or US-20040038307-\$ or US-20040046128-\$ or US-20030231818-\$ or US-20030219205-\$ or US-20040021945-\$ or US-20040022475-\$ or US-20030017581-\$ or US-20030017580-\$ or US-20020196994-\$ or US-20020192680-\$ or US-20030207258-\$ or US-20030207257-\$ or US-20030207255-\$ or US-20030207256-\$ or US-20030207328-\$ or US-20030207254-\$ or US-20030215185-\$).did. or (US-20020191913-\$ or US-20020168295-\$ or US-20020155507-\$ or US-20020141702-\$ or US-20020127565-\$ or US-20020104762-\$ or US-20020090613-\$ or US-20020076154-\$ or US-20020041724-\$ or US-20020041723-\$ or US-20020034457-\$ or US-20020028451-\$ or US-20030162296-\$ or US-20030207253-\$ or US-20030157731-\$ or US-20030142713-\$ or US-20030148542-\$ or US-20020025534-\$ or US-20020022273-\$ or US-20010031503-\$ or US-20010004526-\$ or US-20040052457-\$ or US-20030186142-\$ or US-20030180000-\$ or US-20030133659-\$ or US-20030039440-\$ or US-20030007732-\$).did. or (US-20020172461-\$ or US-20020168153-\$ or US-20020164121-\$ or US-20020150334-\$ or US-20040161198-\$ or US-20020122628-\$ or US-20030124438-\$ or US-20020009274-\$ or US-20040018022-\$ or US-20030059195-\$).did. or (WO-9636436-\$ or WO-9715690-\$).did. or (US-20020127565-\$).did. | US-P6PUB; USPAT; EPO; DERWENT | OR | OFF | 2004/10/04 17:09 |
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EAST Search History

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| S27 | 25 | S26 and (colocat\$ or co?locat\$) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/10/04 17:10 |
| S28 | 85 | ((bragg near3 grating) same (optic\$4 near3 (fiber or waveguide))) and (colocat\$ or co?locat\$) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/10/04 17:14 |
| S29 | 28 | ((bragg near3 grating) same (colocat\$ or co?locat\$)) and (optic\$4 near3 (fiber or waveguide)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/10/04 17:16 |
| S30 | 28 | ((bragg near3 grating) same (colocat\$ or co?locat\$)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/10/04 17:16 |
| S31 | 155 | (bragg near3 grating) same (superpos\$ or superimpos\$) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/10/04 17:16 |
| S32 | 141 | (bragg near3 grating) same (superpos\$ or superimpos\$) and (optic\$4 near3 (fiber or waveguide)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/10/04 17:17 |
| S33 | 28 | ((bragg near3 grating) same (optic\$4 near3 (fiber or waveguide))) and ((bond\$3 or adhe\$ or epox\$ or glu\$3) with (bragg near3 grating) with (substrate or sheet)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/10/04 17:40 |
| S34 | 35 | ((bond\$3 or adhe\$ or epox\$ or glu\$3) with (bragg near3 grating) with (substrate or sheet)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/10/04 17:42 |
| S35 | 22 | ((bond\$3 or adhe\$ or epox\$ or glu\$3) with (bragg near3 grating) with (plastic or polymer or resin)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/10/04 17:44 |
| S36 | 373 | (bond\$3 or adhe\$ or epox\$ or glu\$3) with ((fiber or bragg) near3 grating) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/10/04 17:44 |

EAST Search History

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|-----|-----|---|---|----|-----|---------------------|
| S37 | 122 | S36 same (polymer or resin or plastic or substrate) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/10/04 17:49 |
| S38 | 3 | ("6600149").PN | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2004/10/04 17:49 |
| S39 | 232 | (359/2).CCL.S. | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2004/09/26 19:06 |
| S40 | 903 | (359/566).CCL.S. | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2004/09/26 19:06 |
| S41 | 676 | (359/569).CCL.S. | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2004/09/26 19:06 |
| S42 | 325 | (359/558).CCL.S. | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2004/09/26 19:06 |
| S43 | 278 | (359/571).CCL.S. | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2004/09/26 19:06 |
| S44 | 330 | (359/572).CCL.S. | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2004/09/26 19:06 |
| S45 | 658 | (356/72).CCL.S. | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2004/09/26 19:06 |

EAST Search History

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| S46 | 1888 | (356/73.1).CCL.S. | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2004/09/26 19:07 |
| S47 | 1385 | (385/12).CCL.S. | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2004/09/26 19:07 |
| S48 | 820 | (385/128).CCL.S. | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2004/09/26 19:07 |
| S49 | 2621 | (385/37).CCL.S. | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2004/09/26 19:07 |
| S50 | 72 | (250/559.04).CCL.S. | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2004/09/26 19:07 |
| S51 | 55 | (250/559.11).CCL.S. | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2004/09/26 19:07 |
| S52 | 680 | (250/559.4).CCL.S. | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2004/09/26 19:07 |
| S53 | 629 | (250/227.14).CCL.S. | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2004/09/26 19:07 |
| S54 | 152 | (250/227.29).CCL.S. | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2004/09/26 19:08 |

EAST Search History

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|-----|------|--|---|----|-----|---------------------|
| S55 | 669 | (250/566).CAL.S. | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2004/09/26 19:08 |
| S56 | 329 | (250/568).CAL.S. | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2004/09/26 19:08 |
| S57 | 203 | (235/473).CAL.S. | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2004/09/26 19:08 |
| S58 | 5177 | (435/4).CAL.S. | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2004/09/26 19:08 |
| S59 | 922 | (435/288.7).CAL.S. | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2004/09/26 19:08 |
| S60 | 710 | (((359/2).CAL.S.) or ((359/566).CAL.S.) or ((359/569).CAL.S.) or ((359/558).CAL.S.) or ((359/571).CAL.S.) or ((359/572).CAL.S.) or ((356/72).CAL.S.) or ((356/73.1).CAL.S.) or ((385/12).CAL.S.) or ((385/128).CAL.S.) or ((385/37).CAL.S.) or ((250/559.04).CAL.S.) or ((250/559.11).CAL.S.) or ((250/559.4).CAL.S.) or ((250/227.14).CAL.S.) or ((250/227.29).CAL.S.) or ((250/566).CAL.S.) or ((250/568).CAL.S.) or ((235/473).CAL.S.) or ((435/4).CAL.S.) or ((435/288.7).CAL.S.)) and ((diffract\$ or bragg or hologra\$) near3 grating) and (substrate or (optic\$4 near3 fiber)) and (chemical or species or assay) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/09/27 11:35 |
| S61 | 575 | (((359/2).CAL.S.) or ((359/566).CAL.S.) or ((359/569).CAL.S.) or ((359/558).CAL.S.) or ((359/571).CAL.S.) or ((359/572).CAL.S.) or ((356/72).CAL.S.) or ((356/73.1).CAL.S.) or ((385/12).CAL.S.) or ((385/128).CAL.S.) or ((385/37).CAL.S.) or ((250/559.04).CAL.S.) or ((250/559.11).CAL.S.) or ((250/559.4).CAL.S.) or ((250/227.14).CAL.S.) or ((250/227.29).CAL.S.) or ((250/566).CAL.S.) or ((250/568).CAL.S.) or ((235/473).CAL.S.) or ((435/4).CAL.S.) or ((435/288.7).CAL.S.)) and ((diffract\$ or bragg or hologra\$) near3 grating) and (substrate or (optic\$4 near3 fiber)) and (chemical or species or assay)) and (refract\$ near3 ind\$4) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/09/27 11:35 |
| S62 | 2 | ("5.089,387").PN. | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2004/09/26 19:53 |

EAST Search History

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|-----|-------|---|---|----|-----|---------------------|
| S63 | 298 | ((359/2).C.A.S.) or ((359/566).C.A.S.) or ((359/569).C.A.S.) or ((359/558).C.A.S.) or ((359/571).C.A.S.) or ((359/572).C.A.S.) or ((356/72).C.A.S.) or ((356/73.1).C.A.S.) or ((385/12).C.A.S.) or ((385/128).C.A.S.) or ((385/37).C.A.S.) or ((250/559.04).C.A.S.) or ((250/559.11).C.A.S.) or ((250/559.4).C.A.S.) or ((250/227.14).C.A.S.) or ((250/227.29).C.A.S.) or ((250/566).C.A.S.) or ((250/568).C.A.S.) or ((235/473).C.A.S.) or ((435/4).C.A.S.) or ((435/288.7).C.A.S.)) and (((diffract\$ or bragg or hologra\$) near3 grating) same (substrate or (optic\$ near3 (fiber or waveguide)))) and (id or identif\$ or code or information or authent\$) and ((bind\$3 or attach\$4 or connect\$3 or bound\$3) with (chemical or element or species or assay or ion or molecule or atom\$2)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/09/27 11:37 |
| S64 | 29 | ("4539507" "4833092" "5034613" "5136572" "5141671" "5214409" "5252962" "5257011" "5266926" "5351052" "5405709" "5409783" "5434878" "5438878" "5448582" "5503805" "5558904" "5565324" "5604097" "5641634" "5751629" "5770358" "5770455" "5840485" "5874214" "5903340" "5981180" "6043023" "6096494").PN. | USPAT | OR | ON | 2004/09/27 11:23 |
| S65 | 26495 | (435/6).C.A.S. | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2004/09/27 11:34 |
| S66 | 168 | ((359/2).C.A.S.) or ((359/566).C.A.S.) or ((359/569).C.A.S.) or ((359/558).C.A.S.) or ((359/571).C.A.S.) or ((359/572).C.A.S.) or ((356/72).C.A.S.) or ((356/73.1).C.A.S.) or ((385/12).C.A.S.) or ((385/128).C.A.S.) or ((385/37).C.A.S.) or ((250/559.04).C.A.S.) or ((250/559.11).C.A.S.) or ((250/559.4).C.A.S.) or ((250/227.14).C.A.S.) or ((250/227.29).C.A.S.) or ((250/566).C.A.S.) or ((250/568).C.A.S.) or ((235/473).C.A.S.) or ((435/4).C.A.S.) or ((435/288.7).C.A.S.)) and (((bragg) near3 (grating or reflect\$)) same (substrate or (optic\$ near3 (fiber or waveguide)))) and (id or identif\$ or code or information or authent\$) and ((bind\$3 or attach\$4 or connect\$3 or bound\$3) with (chemical or element or species or assay or ion or molecule or atom\$2)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/09/27 11:58 |
| S67 | 76 | ((359/2).C.A.S.) or ((359/566).C.A.S.) or ((359/569).C.A.S.) or ((359/558).C.A.S.) or ((359/571).C.A.S.) or ((359/572).C.A.S.) or ((356/72).C.A.S.) or ((356/73.1).C.A.S.) or ((385/12).C.A.S.) or ((385/128).C.A.S.) or ((385/37).C.A.S.) or ((250/559.04).C.A.S.) or ((250/559.11).C.A.S.) or ((250/559.4).C.A.S.) or ((250/227.14).C.A.S.) or ((250/227.29).C.A.S.) or ((250/566).C.A.S.) or ((250/568).C.A.S.) or ((235/473).C.A.S.) or ((435/4).C.A.S.) or ((435/288.7).C.A.S.)) and (((bragg) near3 (reflect\$)) same (substrate or (optic\$ near3 (fiber or waveguide)))) and (id or identif\$ or code or information or authent\$) and ((bind\$3 or attach\$4 or connect\$3 or bound\$3) with (chemical or element or species or assay or ion or molecule or atom\$2)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/09/27 12:03 |
| S68 | 154 | ((435/6).C.A.S.) and (((diffract\$ or bragg or hologra\$) near3 grating) and (substrate or (optic\$4 near3 fiber)) and (chemical or species or assay)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/09/27 12:12 |
| S69 | 0 | WO-02061429-\$.did. | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/09/27 12:12 |
| S70 | 0 | WO-0261429-\$.did. | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/09/27 12:12 |

EAST Search History

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|-----|-----|--|---|----|-----|---------------------|
| 571 | 0 | WO-2002061429-\$.did. | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/09/27 12:12 |
| 572 | 1 | WO-200261429-\$.did. | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/09/27 12:17 |
| 573 | 2 | ("20020127565").PN. | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2004/09/27 12:18 |
| 574 | 19 | ("4539507" "4833092" "5034613" "5136572" "5141671" "5214409" "5252962" "5257011" "5266926" "5351052" "5405709" "5409783" "5438878" "5448582" "5558904" "5565324" "5641634" "5751629" "5770455").PN. | USPAT | OR | ON | 2004/09/27 13:28 |
| 575 | 85 | ((435/6).CCL.S.) and (((diffract\$ or bragg or hologra\$) near3 grating) and (substrate or (optic\$4 near3 fiber)) and (chemical or species or assay)) and (refract\$ near3 ind\$4) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/09/27 14:28 |
| 576 | 9 | ((435/6).CCL.S.) and (((bragg) near3 (grating or reflect\$)) same (substrate or (optic\$ near3 (fiber or waveguide)))) and (id or identif\$ or code or information or authent\$) and ((bind\$3 or attach\$4 or connect\$3 or bound\$3) with (chemical or element or species or assay or ion or molecule or atom\$2)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/09/27 13:34 |
| 577 | 6 | ((435/6).CCL.S.) and (((bragg) near3 (reflect\$)) same (substrate or (optic\$ near3 (fiber or waveguide)))) and (id or identif\$ or code or information or authent\$) and ((bind\$3 or attach\$4 or connect\$3 or bound\$3) with (chemical or element or species or assay or ion or molecule or atom\$2)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/09/27 14:02 |
| 578 | 77 | ((435/6).CCL.S.) and (((diffract\$ or bragg or hologra\$) near3 grating) same (substrate or (optic\$ near3 (fiber or waveguide)))) and (id or identif\$ or code or information or authent\$) and ((bind\$3 or attach\$4 or connect\$3 or bound\$3) with (chemical or element or species or assay or ion or molecule or atom\$2)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/09/27 14:02 |
| 579 | 333 | (particle or bead or microparticle or microbead or micro?particle or micro?bead or (micro near3 particle) or (micro near3 bead)) and (tag\$4 or label\$4 or cod\$3 or encod\$3) and (bragg near3 (grating or mirror or reflect\$)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/09/27 17:04 |
| 580 | 234 | ((particle or bead or microparticle or microbead or micro?particle or micro?bead or (micro near3 particle) or (micro near3 bead)) and (tag\$4 or label\$4 or cod\$3 or encod\$3) and (bragg near3 (grating or mirror or reflect\$))) and (refract\$ near3 ind\$4) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/09/27 14:29 |

EAST Search History

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|-----|-----|---|---|----|----|---------------------|
| S81 | 241 | (particle or bead or microparticle or microbead or micro?particle or micro?bead or (micro near3 particle) or (micro near3 bead)) and (tag\$4 or label\$4 or cod\$3 or encod\$3) and (grating with (refract\$ near3 ind\$4)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/09/27 17:31 |
| S82 | 66 | (particle or bead or microparticle or microbead or micro?particle or micro?bead or (micro near3 particle) or (micro near3 bead)) and (tag\$4 or label\$4 or cod\$3 or encod\$3) and (grating with (refract\$ near3 ind\$4) with (vary\$3 or varia\$)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/09/27 17:07 |
| S83 | 150 | (particle or bead or microparticle or microbead or micro?particle or micro?bead or (micro near3 particle) or (micro near3 bead)) and (tag\$4 or label\$4 or cod\$3 or encod\$3) and (grating near3 refract\$ near3 ind\$4) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/09/27 17:49 |
| S84 | 2 | ((fiber or bragg or phase) near3 grating) with (embed\$ or encod\$3 or cod\$3 or tag\$4 or label\$4) with (particle or bead or microparticle or microbead or micro?particle or micro?bead or (micro near3 particle) or (micro near3 bead)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/09/27 17:52 |
| S85 | 32 | grating with (embed\$ or encod\$3 or cod\$3 or tag\$4 or label\$4) with (particle or bead or microparticle or microbead or micro?particle or micro?bead or (micro near3 particle) or (micro near3 bead)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/09/27 18:13 |
| S86 | 539 | grating with (embed\$ or encod\$3 or cod\$3 or tag\$4 or label\$4) with (substrate or film or layer) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/09/27 18:14 |
| S87 | 61 | ((bragg or phase or fiber) near3 grating) with (embed\$ or encod\$3 or cod\$3 or tag\$4 or label\$4) with (substrate or film or layer) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/09/27 18:22 |
| S88 | 343 | ((((bragg or phase or fiber) near3 grating) with (embed\$ or encod\$3 or cod\$3 or tag\$4 or label\$4)) and combinat\$ | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/09/27 18:23 |
| S89 | 2 | ((((bragg or phase or fiber) near3 grating) with (embed\$ or encod\$3 or cod\$3 or tag\$4 or label\$4)) and combinat\$) and (refract\$ near3 ind\$4) and assay | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/09/27 18:23 |
| S90 | 2 | ((((bragg or phase or fiber) near3 grating) with (embed\$ or encod\$3 or cod\$3 or tag\$4 or label\$4)) and combinat\$) and assay | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/09/27 18:23 |

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| S91 | 2 | (((bragg or phase or fiber) near3 grating) with (embed\$ or encod\$3 or cod\$3 or tag\$4 or label\$4)) and assay\$3 | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/09/27 18:24 |
| S92 | 5 | (((bragg or phase or fiber or hologra\$) near3 grating) with (embed\$ or encod\$3 or cod\$3 or tag\$4 or label\$4)) and assay\$3 | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/09/27 18:25 |
| S93 | 9 | (((bragg or phase or fiber or hologra\$) near3 grating) with (embed\$ or encod\$3 or cod\$3 or tag\$4 or label\$4 or identif\$)) and assay\$3 | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/09/27 18:29 |
| S94 | 93 | ((bragg or phase or fiber or hologra\$) near3 grating) with (particle or bead or microparticle or microbead or micro?particle or micro?bead or (micro near3 particle) or (micro near3 bead)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/09/28 09:03 |
| S95 | 37374 | ((bragg or phase or fiber or hologra\$) near3 grating) or ((vary\$ or varia\$) with refract\$ with ind\$4) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/09/28 12:27 |
| S96 | 4343 | (((bragg or phase or fiber or hologra\$) near3 grating) or ((vary\$ or varia\$) with refract\$ with ind\$4)) and ((particle or bead or microparticle or microbead or micro?particle or micro?bead or (micro near3 particle) or (micro near3 bead) or fiber or substrate or layer or film) with (embed\$ or encod\$3 or cod\$3 or tag\$4 or label\$4 or identif\$)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/09/28 11:10 |
| S97 | 344 | (((bragg or phase or fiber or hologra\$) near3 grating) or ((vary\$ or varia\$) with refract\$ with ind\$4)) and ((particle or bead or microparticle or microbead or micro?particle or micro?bead or (micro near3 particle) or (micro near3 bead) or fiber or substrate or layer or film) with (embed\$ or encod\$3 or cod\$3 or tag\$4 or label\$4 or identif\$))) and (assay\$3 or combinator\$) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/09/28 11:11 |
| S98 | 22407 | ((bragg or phase or fiber or hologra\$ or volume) near3 grating) or (period\$ with refract\$ with ind\$4 with grating) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/09/28 11:10 |
| S99 | 2786 | (((bragg or phase or fiber or hologra\$ or volume) near3 grating) or (period\$ with refract\$ with ind\$4 with grating)) and ((particle or bead or microparticle or microbead or micro?particle or micro?bead or (micro near3 particle) or (micro near3 bead) or fiber or substrate or layer or film) with (embed\$ or encod\$3 or cod\$3 or tag\$4 or label\$4 or identif\$)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/09/28 11:11 |
| S100 | 249 | (((bragg or phase or fiber or hologra\$ or volume) near3 grating) or (period\$ with refract\$ with ind\$4 with grating)) and ((particle or bead or microparticle or microbead or micro?particle or micro?bead or (micro near3 particle) or (micro near3 bead) or fiber or substrate or layer or film) with (embed\$ or encod\$3 or cod\$3 or tag\$4 or label\$4 or identif\$))) and (assay\$3 or combinator\$) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/09/28 11:12 |

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|------|--------|---|---|----|-----|---------------------|
| S101 | 167547 | (index\$ or address\$) with (particle or bead or microparticle or microbead or micro?particle or micro?bead or (micro near3 particle) or (micro near3 bead) or fiber or substrate or layer or film) | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/09/28 11:22 |
| S102 | 6664 | ((index\$ or address\$) with (particle or bead or microparticle or microbead or micro?particle or micro?bead or (micro near3 particle) or (micro near3 bead) or fiber or substrate or layer or film)) same grating | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/09/28 11:22 |
| S103 | 140 | ((index\$ or address\$) with (particle or bead or microparticle or microbead or micro?particle or micro?bead or (micro near3 particle) or (micro near3 bead) or fiber or substrate or layer or film)) same grating and (refract\$ near3 ind\$4) and (assay or combinator\$) | US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/09/28 11:40 |
| S104 | 1 | ("re37473").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2004/09/28 11:41 |
| S105 | 1 | ("re37891").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2004/09/28 11:41 |
| S106 | 1 | ("re33581").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2004/09/28 11:42 |
| S107 | 76 | ((("3968476") or ("4011435") or ("4023010") or ("4053228") or ("4131337") or ("4386274") or ("4445229") or ("4560881") or ("4562157") or ("4647544") or ("4678752") or ("4685480") or ("4740688") or ("4748110") or ("4767719") or ("4816659") or ("4841140") or ("4877747") or ("4880752") or ("4882288") or ("4921805") or ("4931384") or ("4958376") or ("4992385") or ("5003600") or ("5033826") or ("5067155") or ("5081012") or ("5089387") or ("5095194") or ("5100238") or ("5115121") or ("5118608") or ("5138468") or ("5141848") or ("5144461") or ("5166813"))).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2004/09/28 11:59 |
| S108 | 97 | ((("5196350") or ("5200794") or ("5291006") or ("5291027") or ("5300764") or ("5310686") or ("5349442") or ("5352582") or ("5364797") or ("5374816") or ("5374818") or ("5394234") or ("5442433") or ("5448659") or ("5461528") or ("5461475") or ("5465176") or ("5468649") or ("5506674") or ("5514785") or ("5528045") or ("5547849") or ("5585639") or ("5607188") or ("5621515") or ("5627040") or ("5627663") or ("5633724") or ("5663790") or ("5667976") or ("5721912") or ("5721435") or ("5729365") or ("5736330") or ("5742432") or ("5759778") or ("5760961") or ("5766956") or ("5793502") or ("5798273") or ("5799231") or ("5801857") or ("5804384") or ("5822472") or ("5824478") or ("5824557") or ("5831698") or ("5837475") or ("5841555"))).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2004/09/28 12:18 |

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|------|------|--|---|----|-----|---------------------|
| S109 | 4 | ((("5451528") or ("5712912"))).PN. | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2004/09/28 12:19 |
| S110 | 96 | ((("5846737") or ("5874187") or ("5895750") or ("5922550") or ("5925562") or ("5925878") or ("5945679") or ("5986838") or ("5989923") or ("5998796") or ("6001510") or ("6017754") or ("6025129") or ("6025283") or ("6036807") or ("6043880") or ("6046925") or ("6049727") or ("6057107") or ("6060256") or ("6067167") or ("6067392") or ("6078048") or ("6087186") or ("6096496") or ("6097485") or ("6103535") or ("6118127") or ("6160240") or ("6160656") or ("6164548") or ("6165592") or ("6165648") or ("6194563") or ("6218194") or ("6221579") or ("6229635") or ("6259450") or ("6268128") or ("6284459") or ("6292282") or ("6292319") or ("6301047") or ("6304263") or ("6306587") or ("6309601") or ("6312961") or ("6313771") or ("6314220") or ("6319668"))).PN. | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2004/09/28 12:22 |
| S111 | 72 | ((("6322932") or ("6329963") or ("6331273") or ("6352854") or ("6355198") or ("6371370") or ("6372428") or ("6399295") or ("6406841") or ("6406848") or ("6416714") or ("6417010") or ("6428707") or ("6428957") or ("6433849") or ("6436651") or ("6489606") or ("6496287") or ("6506342") or ("6515753") or ("6522406") or ("6524793") or ("6533183") or ("6560017") or ("6565770") or ("6592036") or ("6594421") or ("6609728") or ("6613581") or ("6618342") or ("6622916") or ("6628439") or ("6632655") or ("6635470") or ("6678429") or ("6689316") or ("6692912"))).PN. | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2004/09/28 12:48 |
| S112 | 12 | ((("20020090650") or ("20030129654") or ("20020022273") or ("20030138208") or ("20030032203") or ("20030021003"))).PN. | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2004/09/28 12:52 |
| S113 | 4 | ((("5671308") or ("6340588"))).PN. | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2004/09/28 12:52 |
| S114 | 4262 | (436/518).CCL.S. | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2004/09/28 12:59 |
| S115 | 742 | (436/524).CCL.S. | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2004/09/28 12:58 |
| S116 | 524 | (436/525).CCL.S. | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2004/09/28 12:58 |

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| S117 | 627 | (436/526).C.A.S. | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2004/09/28 12:58 |
| S118 | 786 | (436/527).C.A.S. | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2004/09/28 12:58 |
| S119 | 940 | (436/528).C.A.S. | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2004/09/28 12:59 |
| S120 | 1346 | (436/531).C.A.S. | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2004/09/28 12:59 |
| S121 | 6123 | ((436/518).C.A.S.) or ((436/524).C.A.S.) or ((436/525).C.A.S.) or ((436/526).C.A.S.) or ((436/527).C.A.S.) or ((436/528).C.A.S.) or ((436/531).C.A.S.) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/09/28 12:59 |
| S122 | 144 | ((((436/518).C.A.S.) or ((436/524).C.A.S.) or ((436/525).C.A.S.) or ((436/526).C.A.S.) or ((436/527).C.A.S.) or ((436/528).C.A.S.) or ((436/531).C.A.S.)) and grating) and (refract\$ near3 ind\$4) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/09/28 13:00 |
| S123 | 226 | ((((436/518).C.A.S.) or ((436/524).C.A.S.) or ((436/525).C.A.S.) or ((436/526).C.A.S.) or ((436/527).C.A.S.) or ((436/528).C.A.S.) or ((436/531).C.A.S.)) and grating | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/09/28 13:49 |
| S124 | 442 | (modulat\$ with refract\$ with ind\$4 with grating) and (embed\$ or encod\$3 or cod\$3 or tag\$4 or label\$4 or identif\$) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/09/28 13:51 |
| S125 | 34 | (modulat\$ with refract\$ with ind\$4 with grating) and (assay\$3 or combinator\$) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/09/29 09:49 |
| S126 | 2 | WO-9636436-\$.did. | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/09/29 09:58 |

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| S127 | 120 | (LED or (light near3 emi\$5 near3 diode)) same bragg same (refract\$ near3 ind\$4). | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/09/29 09:59 |
| S128 | 18 | ((US-6785433-\$ or US-5089387-\$ or US-6751387-\$ or US-6694067-\$ or US-6542673-\$ or US-6506342-\$ or US-6096496-\$ or US-6483096-\$ or US-6436651-\$ or US-6434298-\$ or US-6399295-\$ or US-6395558-\$ or US-6350413-\$ or US-6317528-\$ or US-6312961-\$ or US-6289144-\$ or US-6078705-\$ or US-6035082-\$ or US-6005691-\$ or US-5994150-\$ or US-5961924-\$ or US-5832165-\$ or US-5822472-\$ or US-5814565-\$ or US-5745615-\$ or US-5646400-\$). did. or (US-5455178-\$ or US-5446534-\$ or US-5210404-\$ or US-5172250-\$ or US-5113286-\$ or US-5082629-\$ or US-4892385-\$ or US-4815843-\$ or US-4767719-\$ or US-4576439-\$ or US-6591054-\$ or US-5903340-\$ or US-5770455-\$ or US-5565324-\$ or US-6365907-\$ or US-5841555-\$ or US-5627663-\$ or US-5066133-\$ or US-4568141-\$ or US-6586193-\$ or US-6579673-\$ or US-6352828-\$ or US-6280935-\$ or US-6268222-\$ or US-6251691-\$ or US-6235475-\$ or US-6214560-\$). did. or (US-6172218-\$ or US-6172214-\$ or US-6150516-\$ or US-5846719-\$ or US-5352582-\$ or US-5780231-\$ or US-6469785-\$ or US-6087655-\$ or US-5793485-\$ or US-5784157-\$ or US-5608519-\$ or US-5071248-\$ or US-4876208-\$ or US-6093536-\$ or US-5100238-\$ or US-4647544-\$ or US-6437345-\$ or US-5922550-\$ or US-RE33581-\$ or US-5118608-\$ or US-5081012-\$ or US-5003600-\$ or US-4931384-\$ or US-4880752-\$ or US-4023010-\$ or US-4011435-\$ or US-5742432-\$). did. or (US-5729365-\$ or US-5506674-\$ or US-5442433-\$ or US-5394234-\$ or US-5374816-\$ or US-5300764-\$ or US-5291027-\$ or US-6314220-\$ or US-6292282-\$ or US-6221579-\$ or US-6087186-\$ or US-6060256-\$ or US-6036807-\$ or US-5925878-\$ or US-5671308-\$ or US-6346376-\$ or US-5989923-\$ or US-5478527-\$ or US-5156810-\$). did. or (US-20040179267-\$ or US-20040179266-\$ or US-20040132172-\$ or US-20040130786-\$ or US-20040130761-\$ or US-20040125424-\$ or US-20040075907-\$ or US-20040022475-\$ or US-20030231818-\$ or US-20030215185-\$ or US-20030138207-\$ or US-20030133640-\$ or US-20020141702-\$ or US-20020076154-\$ or US-20020041724-\$ or US-20020041723-\$ or US-20040130760-\$ or US-20040021945-\$ or US-20030219205-\$ or US-20020196994-\$ or US-20020191913-\$ or US-20040181344-\$ or US-20020127565-\$ or US-20040126875-\$ or US-20040038307-\$ or US-20030207258-\$). did. or (US-20030207257-\$ or US-20030207255-\$ or US-20030207254-\$ or US-20030207253-\$ or US-20030113766-\$ or US-20030104390-\$ or US-20030059855-\$ or US-20030032039-\$ or US-20030027328-\$ or US-20030027327-\$ or US-20030017581-\$ or US-20020028451-\$ or US-20010004526-\$ or US-20030049620-\$ or US-20020155507-\$ or US-20040151626-\$ or US-20040132214-\$ or US-20040132205-\$ or US-20030092075-\$ or US-20030026891-\$ or US-20030017580-\$ or US-20020192680-\$ or US-20020168295-\$ or US-20020025534-\$ or US-20040145752-\$ or US-20030068657-\$ or US-20030124599-\$). did. or (US-20040175843-\$ or US-20040175842-\$ or US-20030129654-\$ or US-20030077660-\$ or US-20030162296-\$ or US-20030142713-\$ or US-20030142704-\$ or US-20040053295-\$ or US-20040046128-\$ or US-20030207328-\$ or US-20030157731-\$ or US-20030148542-\$ or US-20030132406-\$ or US-20030082587-\$ or US-20020104762-\$ or US-20020090613-\$ or US-20040063146-\$ or US-20030207256-\$ or US-20020034457-\$ or US-20020022273-\$ or US-20010031503-\$). did. or (WO-9636436-\$). did. or (US-20020127565-\$). did.) and (magnet\$ same (orient\$ or align\$)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/09/29 12:15 |

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| S129 | 60 | <p>((US-6785433-\$ or US-5089387-\$ or US-6751387-\$ or US-6694067-\$ or US-6542673-\$ or US-6506342-\$ or US-6096496-\$ or US-6483096-\$ or US-6436651-\$ or US-6434298-\$ or US-6399295-\$ or US-6395558-\$ or US-6350413-\$ or US-6317528-\$ or US-6312961-\$ or US-6289144-\$ or US-6078705-\$ or US-6035082-\$ or US-6005691-\$ or US-5994150-\$ or US-5961924-\$ or US-5832165-\$ or US-5822472-\$ or US-5814565-\$ or US-5745615-\$ or US-5646400-\$).did. or (US-5455178-\$ or US-5446534-\$ or US-5210404-\$ or US-5172250-\$ or US-5113286-\$ or US-5082629-\$ or US-4892385-\$ or US-4815843-\$ or US-4767719-\$ or US-4576439-\$ or US-6591054-\$ or US-5903340-\$ or US-5770455-\$ or US-5565324-\$ or US-6365907-\$ or US-5841555-\$ or US-5627663-\$ or US-5066133-\$ or US-4568141-\$ or US-6586193-\$ or US-6579673-\$ or US-6352828-\$ or US-6280935-\$ or US-6268222-\$ or US-6251691-\$ or US-6235475-\$ or US-6214560-\$).did. or (US-6172218-\$ or US-6172214-\$ or US-6150516-\$ or US-5846719-\$ or US-5352582-\$ or US-5780231-\$ or US-6469785-\$ or US-6087655-\$ or US-5793485-\$ or US-5784157-\$ or US-5608519-\$ or US-5071248-\$ or US-4876208-\$ or US-6093536-\$ or US-5100238-\$ or US-4647544-\$ or US-6437345-\$ or US-5922550-\$ or US-RE33581-\$ or US-5118608-\$ or US-5081012-\$ or US-5003600-\$ or US-4931384-\$ or US-4880752-\$ or US-4023010-\$ or US-4011435-\$ or US-5742432-\$).did. or (US-5729365-\$ or US-5506674-\$ or US-5442433-\$ or US-5394234-\$ or US-5374816-\$ or US-5300764-\$ or US-5291027-\$ or US-6314220-\$ or US-6292282-\$ or US-6221579-\$ or US-6087186-\$ or US-6060256-\$ or US-6036807-\$ or US-5925878-\$ or US-5671308-\$ or US-6346376-\$ or US-5989923-\$ or US-5478527-\$ or US-5156810-\$).did. or (US-20040179267-\$ or US-20040179266-\$ or US-20040132172-\$ or US-20040130786-\$ or US-20040130761-\$ or US-20040125424-\$ or US-20040075907-\$ or US-20040022475-\$ or US-20030231818-\$ or US-20030215185-\$ or US-20030138207-\$ or US-20030133640-\$ or US-20020141702-\$ or US-20020076154-\$ or US-20020041724-\$ or US-20020041723-\$ or US-20040130760-\$ or US-20040021945-\$ or US-20030219205-\$ or US-20020196994-\$ or US-20020191913-\$ or US-20040181344-\$ or US-20020127565-\$ or US-20040126875-\$ or US-20040038307-\$ or US-20030207258-\$).did. or (US-20030207257-\$ or US-20030207255-\$ or US-20030207254-\$ or US-20030207253-\$ or US-20030113766-\$ or US-20030104390-\$ or US-20030059855-\$ or US-20030032039-\$ or US-20030027328-\$ or US-20030027327-\$ or US-20030017581-\$ or US-20020028451-\$ or US-20010004526-\$ or US-20030049620-\$ or US-20020155507-\$ or US-20040151626-\$ or US-20040132214-\$ or US-20040132205-\$ or US-20030092075-\$ or US-20030026891-\$ or US-20030017580-\$ or US-20020192680-\$ or US-20020168295-\$ or US-20020025534-\$ or US-20040145752-\$ or US-20030068657-\$ or US-20030124599-\$).did. or (US-20040175843-\$ or US-20040175842-\$ or US-20030129654-\$ or US-20030077660-\$ or US-20030162296-\$ or US-20030142713-\$ or US-20030142704-\$ or US-20040053295-\$ or US-20040046128-\$ or US-20030207328-\$ or US-20030157731-\$ or US-20030148542-\$ or US-20030132406-\$ or US-20030082587-\$ or US-20020104762-\$ or US-20020090613-\$ or US-20040063146-\$ or US-20030207256-\$ or US-20020034457-\$ or US-20020022273-\$ or US-20010031503-\$).did. or (WO-9636436-\$).did. or (US-20020127565-\$).did.) and (low\$5 with refract\$ with ind\$4)</p> | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/09/29 12:54 |
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EAST Search History

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|------|----|--|---|----|----|---------------------|
| S130 | 29 | <p>((US-6785433-\$ or US-5089387-\$ or US-6751387-\$ or US-6694067-\$ or US-6542673-\$ or US-6506342-\$ or US-6096496-\$ or US-6483096-\$ or US-6436651-\$ or US-6434298-\$ or US-6399295-\$ or US-6395558-\$ or US-6350413-\$ or US-6317528-\$ or US-6312961-\$ or US-6289144-\$ or US-6078705-\$ or US-6035082-\$ or US-6005691-\$ or US-5994150-\$ or US-5961924-\$ or US-5832165-\$ or US-5822472-\$ or US-5814565-\$ or US-5745615-\$ or US-5646400-\$).did. or (US-5455178-\$ or US-5446534-\$ or US-5210404-\$ or US-5172250-\$ or US-5113286-\$ or US-5082629-\$ or US-4892385-\$ or US-4815843-\$ or US-4767719-\$ or US-4576439-\$ or US-6591054-\$ or US-5903340-\$ or US-5770455-\$ or US-5565324-\$ or US-6365907-\$ or US-5841555-\$ or US-5627663-\$ or US-5066133-\$ or US-4568141-\$ or US-6586193-\$ or US-6579673-\$ or US-6352828-\$ or US-6280935-\$ or US-6268222-\$ or US-6251691-\$ or US-6235475-\$ or US-6214560-\$).did. or (US-6172218-\$ or US-6172214-\$ or US-6150516-\$ or US-5846719-\$ or US-5352582-\$ or US-5780231-\$ or US-6469785-\$ or US-6087655-\$ or US-5793485-\$ or US-5784157-\$ or US-5608519-\$ or US-5071248-\$ or US-4876208-\$ or US-6093536-\$ or US-5100238-\$ or US-4647544-\$ or US-6437345-\$ or US-5922550-\$ or US-RE33581-\$ or US-5118608-\$ or US-5081012-\$ or US-5003600-\$ or US-4931384-\$ or US-4880752-\$ or US-4023010-\$ or US-4011435-\$ or US-5742432-\$).did. or (US-5729365-\$ or US-5506674-\$ or US-5442433-\$ or US-5394234-\$ or US-5374816-\$ or US-5300764-\$ or US-5291027-\$ or US-6314220-\$ or US-6292282-\$ or US-6221579-\$ or US-6087186-\$ or US-6060256-\$ or US-6036807-\$ or US-5925878-\$ or US-5671308-\$ or US-6346376-\$ or US-5989923-\$ or US-5478527-\$ or US-5156810-\$).did. or (US-20040179267-\$ or US-20040179266-\$ or US-20040132172-\$ or US-20040130786-\$ or US-20040130761-\$ or US-20040125424-\$ or US-20040075907-\$ or US-20040022475-\$ or US-20030231818-\$ or US-20030215185-\$ or US-20030138207-\$ or US-20030133640-\$ or US-20020141702-\$ or US-20020076154-\$ or US-20020041724-\$ or US-20020041723-\$ or US-20040130760-\$ or US-20040021945-\$ or US-20030219205-\$ or US-20020196994-\$ or US-20020191913-\$ or US-20040181344-\$ or US-20020127565-\$ or US-20040126875-\$ or US-20040038307-\$ or US-20030207258-\$).did. or (US-20030207257-\$ or US-20030207255-\$ or US-20030207254-\$ or US-20030207253-\$ or US-20030113766-\$ or US-20030104390-\$ or US-20030059855-\$ or US-20030032039-\$ or US-20030027328-\$ or US-20030027327-\$ or US-20030017581-\$ or US-20020028451-\$ or US-20010004526-\$ or US-20030049620-\$ or US-20020155507-\$ or US-20040151626-\$ or US-20040132214-\$ or US-20040132205-\$ or US-20030092075-\$ or US-20030026891-\$ or US-20030017580-\$ or US-20020192680-\$ or US-20020168295-\$ or US-20020025534-\$ or US-20040145752-\$ or US-20030068657-\$ or US-20030124599-\$).did. or (US-20040175843-\$ or US-20040175842-\$ or US-20030129654-\$ or US-20030077660-\$ or US-20030162296-\$ or US-20030142713-\$ or US-20030142704-\$ or US-20040053295-\$ or US-20040046128-\$ or US-20030207328-\$ or US-20030157731-\$ or US-20030148542-\$ or US-20030132406-\$ or US-20030082587-\$ or US-20020104762-\$ or US-20020090613-\$ or US-20040063146-\$ or US-20030207256-\$ or US-20020034457-\$ or US-20020022273-\$ or US-20010031503-\$).did. or (WO-9636436-\$).did. or (US-20020127565-\$).did.) and (low\$5 with refract\$ with ind\$4 with grating)</p> | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/09/29 12:56 |
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EAST Search History

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| 5131 | 175 | <p>(US-6785433-\$ or US-5089387-\$ or US-6751387-\$ or US-6694067-\$ or US-6542673-\$ or US-6506342-\$ or US-6096496-\$ or US-6483096-\$ or US-6436651-\$ or US-6434298-\$ or US-6399295-\$ or US-6395558-\$ or US-6350413-\$ or US-6317528-\$ or US-6312961-\$ or US-6289144-\$ or US-6078705-\$ or US-6035082-\$ or US-6005691-\$ or US-5994150-\$ or US-5961924-\$ or US-5832165-\$ or US-5822472-\$ or US-5814565-\$ or US-5745615-\$ or US-5646400-\$). did. or (US-5455178-\$ or US-5446534-\$ or US-5210404-\$ or US-5172250-\$ or US-5113286-\$ or US-5082629-\$ or US-4892385-\$ or US-4815843-\$ or US-4767719-\$ or US-4576439-\$ or US-6591054-\$ or US-5903340-\$ or US-5770455-\$ or US-5565324-\$ or US-6365907-\$ or US-5841555-\$ or US-5627663-\$ or US-5066133-\$ or US-4568141-\$ or US-6586193-\$ or US-6579673-\$ or US-6352828-\$ or US-6280935-\$ or US-6268222-\$ or US-6251691-\$ or US-6235475-\$ or US-6214560-\$). did. or (US-6172218-\$ or US-6172214-\$ or US-6150516-\$ or US-5846719-\$ or US-5352582-\$ or US-5780231-\$ or US-6469785-\$ or US-6087655-\$ or US-5793485-\$ or US-5784157-\$ or US-5608519-\$ or US-5071248-\$ or US-4876208-\$ or US-6093536-\$ or US-5100238-\$ or US-4647544-\$ or US-6437345-\$ or US-5922550-\$ or US-RE33581-\$ or US-5118608-\$ or US-5081012-\$ or US-5003600-\$ or US-4931384-\$ or US-4880752-\$ or US-4023010-\$ or US-4011435-\$ or US-5742432-\$). did. or (US-5729365-\$ or US-5506674-\$ or US-5442433-\$ or US-5394234-\$ or US-5374816-\$ or US-5300764-\$ or US-5291027-\$ or US-6314220-\$ or US-6292282-\$ or US-6221579-\$ or US-6087186-\$ or US-6060256-\$ or US-6036807-\$ or US-5925878-\$ or US-5671308-\$ or US-6346376-\$ or US-5989923-\$ or US-5478527-\$ or US-5156810-\$). did. or (US-20040179267-\$ or US-20040179266-\$ or US-20040132172-\$ or US-20040130786-\$ or US-20040130761-\$ or US-20040125424-\$ or US-20040075907-\$ or US-20040022475-\$ or US-20030231818-\$ or US-20030215185-\$ or US-20030138207-\$ or US-20030133640-\$ or US-20020141702-\$ or US-20020076154-\$ or US-20020041724-\$ or US-20020041723-\$ or US-20040130760-\$ or US-20040021945-\$ or US-20030219205-\$ or US-20020196994-\$ or US-20020191913-\$ or US-20040181344-\$ or US-20020127565-\$ or US-20040126875-\$ or US-20040038307-\$ or US-20030207258-\$). did. or (US-20030207257-\$ or US-20030207255-\$ or US-20030207254-\$ or US-20030207253-\$ or US-20030113766-\$ or US-20030104390-\$ or US-20030059855-\$ or US-20030032039-\$ or US-20030027328-\$ or US-20030027327-\$ or US-20030017581-\$ or US-20020028451-\$ or US-20010004526-\$ or US-20030049620-\$ or US-20020155507-\$ or US-20040151626-\$ or US-20040132214-\$ or US-20040132205-\$ or US-20030092075-\$ or US-20030026891-\$ or US-20030017580-\$ or US-20020192680-\$ or US-20020168295-\$ or US-20020025534-\$ or US-20040145752-\$ or US-20030068657-\$ or US-20030124599-\$). did. or (US-20040175843-\$ or US-20040175842-\$ or US-20030129654-\$ or US-20030077660-\$ or US-20030162296-\$ or US-20030142713-\$ or US-20030142704-\$ or US-20040053295-\$ or US-20040046128-\$ or US-20030207328-\$ or US-20030157731-\$ or US-20030148542-\$ or US-20030132406-\$ or US-20030082587-\$ or US-20020104762-\$ or US-20020090613-\$ or US-20040063146-\$ or US-20030207256-\$ or US-20020034457-\$ or US-20020022273-\$ or US-20010031503-\$). did. or (WO-9636436-\$). did. or (US-20020127565-\$). did.</p> | US-P6PUB; USPAT; EPO; DERWENT | OR | OFF | 2004/09/30 13:13 |
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EAST Search History

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|------|-----|---|---|----|----|---------------------|
| S132 | 15 | ((US-6785433-\$ or US-5089387-\$ or US-6751387-\$ or US-6694067-\$ or US-6542673-\$ or US-6506342-\$ or US-6096496-\$ or US-6483096-\$ or US-6436651-\$ or US-6434298-\$ or US-6399295-\$ or US-6395558-\$ or US-6350413-\$ or US-6317528-\$ or US-6312961-\$ or US-6289144-\$ or US-6078705-\$ or US-6035082-\$ or US-6005691-\$ or US-5994150-\$ or US-5961924-\$ or US-5832165-\$ or US-5822472-\$ or US-5814565-\$ or US-5745615-\$ or US-5646400-\$).did. or (US-5455178-\$ or US-5446534-\$ or US-5210404-\$ or US-5172250-\$ or US-5113286-\$ or US-5082629-\$ or US-4892385-\$ or US-4815843-\$ or US-4767719-\$ or US-4576439-\$ or US-6591054-\$ or US-5903340-\$ or US-5770455-\$ or US-5565324-\$ or US-6365907-\$ or US-5841555-\$ or US-5627663-\$ or US-5066133-\$ or US-4568141-\$ or US-6586193-\$ or US-6579673-\$ or US-6352828-\$ or US-6280935-\$ or US-6268222-\$ or US-6251691-\$ or US-6235475-\$ or US-6214560-\$).did. or (US-6172218-\$ or US-6172214-\$ or US-6150516-\$ or US-5846719-\$ or US-5352582-\$ or US-5780231-\$ or US-6469785-\$ or US-6087655-\$ or US-5793485-\$ or US-5784157-\$ or US-5608519-\$ or US-5071248-\$ or US-4876208-\$ or US-6093536-\$ or US-5100238-\$ or US-4647544-\$ or US-6437345-\$ or US-5922550-\$ or US-RE33581-\$ or US-5118608-\$ or US-5081012-\$ or US-5003600-\$ or US-4931384-\$ or US-4880752-\$ or US-4023010-\$ or US-4011435-\$ or US-5742432-\$).did. or (US-5729365-\$ or US-5506674-\$ or US-5442433-\$ or US-5394234-\$ or US-5374816-\$ or US-5300764-\$ or US-5291027-\$ or US-6314220-\$ or US-6292282-\$ or US-6221579-\$ or US-6087186-\$ or US-6060256-\$ or US-6036807-\$ or US-5925878-\$ or US-5671308-\$ or US-6346376-\$ or US-5989923-\$ or US-5478527-\$ or US-5156810-\$).did. or (US-20040179267-\$ or US-20040179266-\$ or US-20040132172-\$ or US-20040130786-\$ or US-20040130761-\$ or US-20040125424-\$ or US-20040075907-\$ or US-20040022475-\$ or US-20030231818-\$ or US-20030215185-\$ or US-20030138207-\$ or US-20030133640-\$ or US-20020141702-\$ or US-20020076154-\$ or US-20020041724-\$ or US-20020041723-\$ or US-20040130760-\$ or US-20040021945-\$ or US-20030219205-\$ or US-20020196994-\$ or US-20020191913-\$ or US-20040181344-\$ or US-20020127565-\$ or US-20040126875-\$ or US-20040038307-\$ or US-20030207258-\$).did. or (US-20030207257-\$ or US-20030207255-\$ or US-20030207254-\$ or US-20030207253-\$ or US-20030113766-\$ or US-20030104390-\$ or US-20030059855-\$ or US-20030032039-\$ or US-20030027328-\$ or US-20030027327-\$ or US-20030017581-\$ or US-20020028451-\$ or US-20010004526-\$ or US-20030049620-\$ or US-20020155507-\$ or US-20040151626-\$ or US-20040132214-\$ or US-20040132205-\$ or US-20030092075-\$ or US-20030026891-\$ or US-20030017580-\$ or US-20020192680-\$ or US-20020168295-\$ or US-20020025534-\$ or US-20040145752-\$ or US-20030068657-\$ or US-20030124599-\$).did. or (US-20040175843-\$ or US-20040175842-\$ or US-20030129654-\$ or US-20030077660-\$ or US-20030162296-\$ or US-20030142713-\$ or US-20030142704-\$ or US-20040053295-\$ or US-20040046128-\$ or US-20030207328-\$ or US-20030157731-\$ or US-20030148542-\$ or US-20030132406-\$ or US-20030082587-\$ or US-20020104762-\$ or US-20020090613-\$ or US-20040063146-\$ or US-20030207256-\$ or US-20020034457-\$ or US-20020022273-\$ or US-20010031503-\$).did. or (WO-9636436-\$).did. or (US-20020127565-\$).did.) and split and pool | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/09/30 13:19 |
| S133 | 394 | combinator\$ and (split\$4 near3 pool\$3) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/09/30 13:20 |
| S134 | 2 | wo-9715690-\$.did. | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2004/10/01 14:22 |

EAST Search History

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|------|-------|--|---|----|-----|---------------------|
| S135 | 2 | ("6035082").PN. | US-P6PUB; USPAT; USOCR; EPO: JPO; DERWENT ; IBM_TDB | OR | OFF | 2004/10/01 14:22 |
| S136 | 17793 | ((359/2).CAL.S.) or ((359/566).CAL.S.) or ((359/569).CAL.S.) or ((359/558).CAL.S.) or ((359/571).CAL.S.) or ((359/572).CAL.S.) or ((356/72).CAL.S.) or ((356/73.1).CAL.S.) or ((385/12).CAL.S.) or ((385/128).CAL.S.) or ((385/37).CAL.S.) or ((250/559.04).CAL.S.) or ((250/559.11).CAL.S.) or ((250/559.4).CAL.S.) or ((250/227.14).CAL.S.) or ((250/227.29).CAL.S.) or ((250/566).CAL.S.) or ((250/568).CAL.S.) or ((235/473).CAL.S.) or ((435/4).CAL.S.) or ((435/288.7).CAL.S.) | US-P6PUB; USPAT; EPO: JPO; DERWENT ; IBM_TDB | OR | ON | 2004/10/01 18:08 |
| S137 | 437 | (359/896).CAL.S. | US-P6PUB; USPAT; USOCR; EPO: JPO; DERWENT ; IBM_TDB | OR | OFF | 2004/10/01 18:09 |
| S138 | 2198 | (359/900).CAL.S. | US-P6PUB; USPAT; USOCR; EPO: JPO; DERWENT ; IBM_TDB | OR | OFF | 2004/10/01 18:09 |
| S139 | 1505 | (385/147).CAL.S. | US-P6PUB; USPAT; USOCR; EPO: JPO; DERWENT ; IBM_TDB | OR | OFF | 2004/10/01 18:09 |
| S140 | 1277 | (((((359/2).CAL.S.) or ((359/566).CAL.S.) or ((359/569).CAL.S.) or ((359/558).CAL.S.) or ((359/571).CAL.S.) or ((359/572).CAL.S.) or ((356/72).CAL.S.) or ((356/73.1).CAL.S.) or ((385/12).CAL.S.) or ((385/128).CAL.S.) or ((385/37).CAL.S.) or ((250/559.04).CAL.S.) or ((250/559.11).CAL.S.) or ((250/559.4).CAL.S.) or ((250/227.14).CAL.S.) or ((250/227.29).CAL.S.) or ((250/566).CAL.S.) or ((250/568).CAL.S.) or ((235/473).CAL.S.) or ((435/4).CAL.S.) or ((435/288.7).CAL.S.)) or ((359/896).CAL.S.) or ((359/900).CAL.S.) or ((385/147).CAL.S.)) and ((bragg near3 grating) same (optic\$4 near3 (fiber or waveguide)))) | US-P6PUB; USPAT; EPO: JPO; DERWENT ; IBM_TDB | OR | ON | 2004/10/04 10:49 |
| S141 | 445 | (((((359/2).CAL.S.) or ((359/566).CAL.S.) or ((359/569).CAL.S.) or ((359/558).CAL.S.) or ((359/571).CAL.S.) or ((359/572).CAL.S.) or ((356/72).CAL.S.) or ((356/73.1).CAL.S.) or ((385/12).CAL.S.) or ((385/128).CAL.S.) or ((385/37).CAL.S.) or ((250/559.04).CAL.S.) or ((250/559.11).CAL.S.) or ((250/559.4).CAL.S.) or ((250/227.14).CAL.S.) or ((250/227.29).CAL.S.) or ((250/566).CAL.S.) or ((250/568).CAL.S.) or ((235/473).CAL.S.) or ((435/4).CAL.S.) or ((435/288.7).CAL.S.)) or ((359/896).CAL.S.) or ((359/900).CAL.S.) or ((385/147).CAL.S.)) and ((bragg near3 grating) same (optic\$4 near3 (fiber or waveguide)))) and ((cut\$4 or cleav\$3 or break\$3 or slic\$3 or split\$4) with fiber) | US-P6PUB; USPAT; EPO: JPO; DERWENT ; IBM_TDB | OR | ON | 2004/10/04 11:02 |
| S142 | 2 | ("6,272,886").PN. | US-P6PUB; USPAT; USOCR; EPO: JPO; DERWENT ; IBM_TDB | OR | OFF | 2004/10/01 18:29 |

EAST Search History

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|------|-----|--|---|----|-----|---------------------|
| S150 | 2 | ("6692031").PN. | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2005/05/04 20:00 |
| S151 | 646 | ((((359/2).C.A.S.) or ((359/566).C.A.S.) or ((359/569).C.A.S.) or ((359/558).C.A.S.) or ((359/571).C.A.S.) or ((359/572).C.A.S.) or ((356/72).C.A.S.) or ((356/73.1).C.A.S.) or ((385/12).C.A.S.) or ((385/128).C.A.S.) or ((385/37).C.A.S.) or ((250/559.04).C.A.S.) or ((250/559.11).C.A.S.) or ((250/559.4).C.A.S.) or ((250/227.14).C.A.S.) or ((250/227.29).C.A.S.) or ((250/566).C.A.S.) or ((250/568).C.A.S.) or ((235/473).C.A.S.) or ((435/4).C.A.S.) or ((435/288.7).C.A.S.)) and ((diffract\$ or bragg or hologra\$) near3 grating) and (substrate or (optic\$4 near3 fiber)) and (chemical or species or assay)) and (refract\$ near3 ind\$4) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2005/05/05 09:59 |
| S152 | 337 | ((((359/2).C.A.S.) or ((359/566).C.A.S.) or ((359/569).C.A.S.) or ((359/558).C.A.S.) or ((359/571).C.A.S.) or ((359/572).C.A.S.) or ((356/72).C.A.S.) or ((356/73.1).C.A.S.) or ((385/12).C.A.S.) or ((385/128).C.A.S.) or ((385/37).C.A.S.) or ((250/559.04).C.A.S.) or ((250/559.11).C.A.S.) or ((250/559.4).C.A.S.) or ((250/227.14).C.A.S.) or ((250/227.29).C.A.S.) or ((250/566).C.A.S.) or ((250/568).C.A.S.) or ((235/473).C.A.S.) or ((435/4).C.A.S.) or ((435/288.7).C.A.S.)) and ((diffract\$ or bragg or hologra\$) near3 grating) same (substrate or (optic\$ near3 (fiber or waveguide)))) and (id or identif\$ or code or information or authent\$) and ((bind\$3 or attach\$4 or connect\$3 or bound\$3) with (chemical or element or species or assay or ion or molecule or atom\$2)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2005/05/05 09:59 |
| S153 | 193 | ((((359/2).C.A.S.) or ((359/566).C.A.S.) or ((359/569).C.A.S.) or ((359/558).C.A.S.) or ((359/571).C.A.S.) or ((359/572).C.A.S.) or ((356/72).C.A.S.) or ((356/73.1).C.A.S.) or ((385/12).C.A.S.) or ((385/128).C.A.S.) or ((385/37).C.A.S.) or ((250/559.04).C.A.S.) or ((250/559.11).C.A.S.) or ((250/559.4).C.A.S.) or ((250/227.14).C.A.S.) or ((250/227.29).C.A.S.) or ((250/566).C.A.S.) or ((250/568).C.A.S.) or ((235/473).C.A.S.) or ((435/4).C.A.S.) or ((435/288.7).C.A.S.)) and (((bragg) near3 (grating or reflect\$)) same (substrate or (optic\$ near3 (fiber or waveguide)))) and (id or identif\$ or code or information or authent\$) and ((bind\$3 or attach\$4 or connect\$3 or bound\$3) with (chemical or element or species or assay or ion or molecule or atom\$2)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2005/05/05 10:00 |
| S154 | 84 | ((((359/2).C.A.S.) or ((359/566).C.A.S.) or ((359/569).C.A.S.) or ((359/558).C.A.S.) or ((359/571).C.A.S.) or ((359/572).C.A.S.) or ((356/72).C.A.S.) or ((356/73.1).C.A.S.) or ((385/12).C.A.S.) or ((385/128).C.A.S.) or ((385/37).C.A.S.) or ((250/559.04).C.A.S.) or ((250/559.11).C.A.S.) or ((250/559.4).C.A.S.) or ((250/227.14).C.A.S.) or ((250/227.29).C.A.S.) or ((250/566).C.A.S.) or ((250/568).C.A.S.) or ((235/473).C.A.S.) or ((435/4).C.A.S.) or ((435/288.7).C.A.S.)) and (((bragg) near3 (reflect\$)) same (substrate or (optic\$ near3 (fiber or waveguide)))) and (id or identif\$ or code or information or authent\$) and ((bind\$3 or attach\$4 or connect\$3 or bound\$3) with (chemical or element or species or assay or ion or molecule or atom\$2)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2005/05/05 10:00 |
| S155 | 174 | ((435/6).C.A.S.) and ((diffract\$ or bragg or hologra\$) near3 grating) and (substrate or (optic\$4 near3 fiber)) and (chemical or species or assay) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2005/05/05 10:00 |
| S156 | 97 | ((435/6).C.A.S.) and ((diffract\$ or bragg or hologra\$) near3 grating) and (substrate or (optic\$4 near3 fiber)) and (chemical or species or assay)) and (refract\$ near3 ind\$4) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2005/05/05 10:00 |

EAST Search History

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|------|-------|---|---|----|-----|---------------------|
| S157 | 11 | ((435/6).C.A.S.) and (((bragg) near3 (grating or reflect\$)) same (substrate or (optic\$ near3 (fiber or waveguide)))) and (id or identif\$ or code or information or authent\$) and ((bind\$3 or attach\$4 or connect\$3 or bound\$3) with (chemical or element or species or assay or ion or molecule or atom\$2)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2005/05/05 10:00 |
| S158 | 8 | ((435/6).C.A.S.) and (((bragg) near3 (reflect\$)) same (substrate or (optic\$ near3 (fiber or waveguide)))) and (id or identif\$ or code or information or authent\$) and ((bind\$3 or attach\$4 or connect\$3 or bound\$3) with (chemical or element or species or assay or ion or molecule or atom\$2)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2005/05/05 10:01 |
| S159 | 89 | ((435/6).C.A.S.) and (((diffract\$ or bragg or hologra\$) near3 grating) same (substrate or (optic\$ near3 (fiber or waveguide)))) and (id or identif\$ or code or information or authent\$) and ((bind\$3 or attach\$4 or connect\$3 or bound\$3) with (chemical or element or species or assay or ion or molecule or atom\$2)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2005/05/05 10:01 |
| S160 | 150 | ((436/518).C.A.S.) or ((436/524).C.A.S.) or ((436/525).C.A.S.) or ((436/526).C.A.S.) or ((436/527).C.A.S.) or ((436/528).C.A.S.) or ((436/531).C.A.S.) and grating and (refract\$ near3 ind\$4) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2005/05/05 10:01 |
| S161 | 246 | ((436/518).C.A.S.) or ((436/524).C.A.S.) or ((436/525).C.A.S.) or ((436/526).C.A.S.) or ((436/527).C.A.S.) or ((436/528).C.A.S.) or ((436/531).C.A.S.) and grating | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2005/05/05 10:02 |
| S162 | 485 | ((359/2).C.A.S.) or ((359/566).C.A.S.) or ((359/569).C.A.S.) or ((359/558).C.A.S.) or ((359/571).C.A.S.) or ((359/572).C.A.S.) or ((356/72).C.A.S.) or ((356/73.1).C.A.S.) or ((385/12).C.A.S.) or ((385/128).C.A.S.) or ((385/37).C.A.S.) or ((250/559.04).C.A.S.) or ((250/559.11).C.A.S.) or ((250/559.4).C.A.S.) or ((250/227.14).C.A.S.) or ((250/227.29).C.A.S.) or ((250/566).C.A.S.) or ((250/568).C.A.S.) or ((235/473).C.A.S.) or ((435/4).C.A.S.) or ((435/288.7).C.A.S.) or ((359/896).C.A.S.) or ((359/900).C.A.S.) or ((385/147).C.A.S.) and ((bragg near3 grating) same (optic\$4 near3 (fiber or waveguide)))) and ((cut\$4 or cleav\$3 or break\$3 or slic\$3 or split\$4) with fiber) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2005/05/05 10:02 |
| S163 | 22799 | ((359/2).C.A.S.) or ((359/566).C.A.S.) or ((359/569).C.A.S.) or ((359/558).C.A.S.) or ((359/571).C.A.S.) or ((359/572).C.A.S.) or ((356/72).C.A.S.) or ((356/73.1).C.A.S.) or ((385/12).C.A.S.) or ((385/128).C.A.S.) or ((385/37).C.A.S.) or ((250/559.04).C.A.S.) or ((250/559.11).C.A.S.) or ((250/559.4).C.A.S.) or ((250/227.14).C.A.S.) or ((250/227.29).C.A.S.) or ((250/566).C.A.S.) or ((250/568).C.A.S.) or ((235/473).C.A.S.) or ((435/4).C.A.S.) or ((435/288.7).C.A.S.) or ((359/896).C.A.S.) or ((359/900).C.A.S.) or ((385/147).C.A.S.) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2005/05/05 10:03 |
| S164 | 182 | (359/34).C.A.S. | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2005/05/05 10:03 |
| S165 | 175 | (359/570).C.A.S. | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2005/05/05 10:03 |

EAST Search History

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|------|-------|---|---|----|-----|---------------------|
| S166 | 365 | (359/577).CAL.S. | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2005/05/05 10:03 |
| S167 | 1717 | (385/31).CAL.S. | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2005/05/05 10:03 |
| S168 | 24565 | S163 or S164 or S165 or S166 or S167 | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2005/05/05 10:03 |
| S169 | 500 | S168 and ((bragg near3 grating) same (optic\$4 near3 (fiber or waveguide))) and ((cut\$4 or cleav\$3 or break\$3 or slic\$3 or split\$4) with fiber) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2005/05/05 10:03 |
| S170 | 417 | S168 and ((bragg near3 grating) same (optic\$4 near3 (fiber or waveguide))) and ((phase or amplitude) near4 mask\$3) and (uv or ultraviolet or ultra?violet or (ultra near3 violet)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2005/05/05 10:03 |
| S171 | 126 | S170 and (drum or cylind\$) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2005/05/05 10:03 |
| S172 | 140 | S170 and (drum or cylind\$ or reel or spool\$3) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2005/05/05 10:04 |
| S173 | 90 | ((wind\$4 or wound or wrap\$4) near5 (spool or reel or drum or cylind\$)) and ((expos\$ or writ\$ or record\$4) with: ((bragg or diffract\$ or hologra\$) near3 grating)) and (optic\$4 near3 (fiber or waveguide)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2005/05/05 12:51 |
| S174 | 5 | ("5066133" "5104590" "5388173" "5499134" "5641956").PN. | US-P6PUB; USPAT; USOCR | OR | ON | 2005/05/05 12:58 |
| S175 | 11 | ("3712735" "4101373" "4136947" "4294782" "4888266" "5066133" "5104209" "5289231" "5367588" "5434424" "5655040").PN. | US-P6PUB; USPAT; USOCR | OR | ON | 2005/05/05 13:08 |
| S182 | 2 | jp-11119029-\$.did. | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2005/05/05 13:51 |

EAST Search History

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|------|-----|--|---|----|----|---------------------|
| S183 | 90 | (((359/2).C.A.S.) or ((359/566).C.A.S.) or ((359/569).C.A.S.) or ((359/558).C.A.S.) or ((359/571).C.A.S.) or ((359/572).C.A.S.) or ((356/72).C.A.S.) or ((356/73.1).C.A.S.) or ((385/12).C.A.S.) or ((385/128).C.A.S.) or ((385/37).C.A.S.) or ((250/559.04).C.A.S.) or ((250/559.11).C.A.S.) or ((250/559.4).C.A.S.) or ((250/227.14).C.A.S.) or ((250/227.29).C.A.S.) or ((250/566).C.A.S.) or ((250/568).C.A.S.) or ((235/473).C.A.S.) or ((435/4).C.A.S.) or ((435/288.7).C.A.S.)) and (((bragg) near3 (reflect\$)) same (substrate or (optic\$ near3 (fiber or waveguide)))) and (id or identif\$ or code or information or authent\$) and ((bind\$3 or attach\$4 or connect\$3 or bound\$3) with (chemical or element or species or assay or ion or molecule or atom\$2)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2005/12/17 21:33 |
| S184 | 113 | (((435/6).C.A.S.) and ((diffract\$ or bragg or hologra\$) near3 grating) and (substrate or (optic\$4 near3 fiber)) and (chemical or species or assay)) and (refract\$ near3 ind\$4) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2005/12/17 21:33 |
| S185 | 210 | (((359/2).C.A.S.) or ((359/566).C.A.S.) or ((359/569).C.A.S.) or ((359/558).C.A.S.) or ((359/571).C.A.S.) or ((359/572).C.A.S.) or ((356/72).C.A.S.) or ((356/73.1).C.A.S.) or ((385/12).C.A.S.) or ((385/128).C.A.S.) or ((385/37).C.A.S.) or ((250/559.04).C.A.S.) or ((250/559.11).C.A.S.) or ((250/559.4).C.A.S.) or ((250/227.14).C.A.S.) or ((250/227.29).C.A.S.) or ((250/566).C.A.S.) or ((250/568).C.A.S.) or ((235/473).C.A.S.) or ((435/4).C.A.S.) or ((435/288.7).C.A.S.)) and (((bragg) near3 (grating or reflect\$)) same (substrate or (optic\$ near3 (fiber or waveguide)))) and (id or identif\$ or code or information or authent\$) and ((bind\$3 or attach\$4 or connect\$3 or bound\$3) with (chemical or element or species or assay or ion or molecule or atom\$2)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2005/12/17 21:33 |
| S186 | 201 | ((435/6).C.A.S.) and ((diffract\$ or bragg or hologra\$) near3 grating) and (substrate or (optic\$4 near3 fiber)) and (chemical or species or assay) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2005/12/17 21:33 |
| S187 | 13 | ((435/6).C.A.S.) and (((bragg) near3 (grating or reflect\$)) same (substrate or (optic\$ near3 (fiber or waveguide)))) and (id or identif\$ or code or information or authent\$) and ((bind\$3 or attach\$4 or connect\$3 or bound\$3) with (chemical or element or species or assay or ion or molecule or atom\$2)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2005/12/17 21:34 |
| S188 | 370 | (((359/2).C.A.S.) or ((359/566).C.A.S.) or ((359/569).C.A.S.) or ((359/558).C.A.S.) or ((359/571).C.A.S.) or ((359/572).C.A.S.) or ((356/72).C.A.S.) or ((356/73.1).C.A.S.) or ((385/12).C.A.S.) or ((385/128).C.A.S.) or ((385/37).C.A.S.) or ((250/559.04).C.A.S.) or ((250/559.11).C.A.S.) or ((250/559.4).C.A.S.) or ((250/227.14).C.A.S.) or ((250/227.29).C.A.S.) or ((250/566).C.A.S.) or ((250/568).C.A.S.) or ((235/473).C.A.S.) or ((435/4).C.A.S.) or ((435/288.7).C.A.S.)) and (((diffract\$ or bragg or hologra\$) near3 grating) same (substrate or (optic\$ near3 (fiber or waveguide)))) and (id or identif\$ or code or information or authent\$) and ((bind\$3 or attach\$4 or connect\$3 or bound\$3) with (chemical or element or species or assay or ion or molecule or atom\$2)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2005/12/17 21:34 |
| S189 | 9 | ((435/6).C.A.S.) and (((bragg) near3 (reflect\$)) same (substrate or (optic\$ near3 (fiber or waveguide)))) and (id or identif\$ or code or information or authent\$) and ((bind\$3 or attach\$4 or connect\$3 or bound\$3) with (chemical or element or species or assay or ion or molecule or atom\$2)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2005/12/17 21:35 |
| S190 | 108 | ((435/6).C.A.S.) and (((diffract\$ or bragg or hologra\$) near3 grating) same (substrate or (optic\$ near3 (fiber or waveguide)))) and (id or identif\$ or code or information or authent\$) and ((bind\$3 or attach\$4 or connect\$3 or bound\$3) with (chemical or element or species or assay or ion or molecule or atom\$2)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2005/12/17 21:35 |

EAST Search History

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|------|-------|--|---|----|-----|---------------------|
| S191 | 717 | (((359/2).C.A.S.) or ((359/566).C.A.S.) or ((359/569).C.A.S.) or ((359/558).C.A.S.) or ((359/571).C.A.S.) or ((359/572).C.A.S.) or ((356/72).C.A.S.) or ((356/73.1).C.A.S.) or ((385/12).C.A.S.) or ((385/128).C.A.S.) or ((385/37).C.A.S.) or ((250/559.04).C.A.S.) or ((250/559.11).C.A.S.) or ((250/559.4).C.A.S.) or ((250/227.14).C.A.S.) or ((250/227.29).C.A.S.) or ((250/566).C.A.S.) or ((250/568).C.A.S.) or ((235/473).C.A.S.) or ((435/4).C.A.S.) or ((435/288.7).C.A.S.)) and ((diffract\$ or bragg or hologra\$) near3 grating) and (substrate or (optic\$4 near3 fiber)) and (chemical or species or assay)) and (refract\$ near3 ind\$4) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2005/12/17 21:36 |
| S192 | 164 | (((436/518).C.A.S.) or ((436/524).C.A.S.) or ((436/525).C.A.S.) or ((436/526).C.A.S.) or ((436/527).C.A.S.) or ((436/528).C.A.S.) or ((436/531).C.A.S.)) and grating) and (refract\$ near3 ind\$4) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2005/12/17 21:36 |
| S193 | 273 | (((436/518).C.A.S.) or ((436/524).C.A.S.) or ((436/525).C.A.S.) or ((436/526).C.A.S.) or ((436/527).C.A.S.) or ((436/528).C.A.S.) or ((436/531).C.A.S.)) and grating | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2005/12/17 21:36 |
| S194 | 530 | (((359/2).C.A.S.) or ((359/566).C.A.S.) or ((359/569).C.A.S.) or ((359/558).C.A.S.) or ((359/571).C.A.S.) or ((359/572).C.A.S.) or ((356/72).C.A.S.) or ((356/73.1).C.A.S.) or ((385/12).C.A.S.) or ((385/128).C.A.S.) or ((385/37).C.A.S.) or ((250/559.04).C.A.S.) or ((250/559.11).C.A.S.) or ((250/559.4).C.A.S.) or ((250/227.14).C.A.S.) or ((250/227.29).C.A.S.) or ((250/566).C.A.S.) or ((250/568).C.A.S.) or ((235/473).C.A.S.) or ((435/4).C.A.S.) or ((435/288.7).C.A.S.)) or ((359/896).C.A.S.) or ((359/900).C.A.S.) or ((385/147).C.A.S.)) and ((bragg near3 grating) same (optic\$4 near3 (fiber or waveguide)))) and ((cut\$4 or cleav\$3 or break\$3 or slic\$3 or split\$4) with fiber) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2005/12/17 21:36 |
| S195 | 24140 | (((359/2).C.A.S.) or ((359/566).C.A.S.) or ((359/569).C.A.S.) or ((359/558).C.A.S.) or ((359/571).C.A.S.) or ((359/572).C.A.S.) or ((356/72).C.A.S.) or ((356/73.1).C.A.S.) or ((385/12).C.A.S.) or ((385/128).C.A.S.) or ((385/37).C.A.S.) or ((250/559.04).C.A.S.) or ((250/559.11).C.A.S.) or ((250/559.4).C.A.S.) or ((250/227.14).C.A.S.) or ((250/227.29).C.A.S.) or ((250/566).C.A.S.) or ((250/568).C.A.S.) or ((235/473).C.A.S.) or ((435/4).C.A.S.) or ((435/288.7).C.A.S.)) or ((359/896).C.A.S.) or ((359/900).C.A.S.) or ((385/147).C.A.S.)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2005/12/17 21:36 |
| S196 | 190 | (359/34).C.A.S. | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2005/12/17 21:36 |
| S197 | 179 | (359/570).C.A.S. | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2005/12/17 21:36 |
| S198 | 380 | (359/577).C.A.S. | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2005/12/17 21:36 |

EAST Search History

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|------|-------|--|---|----|-----|---------------------|
| S199 | 1884 | (385/31).CCL.S. | US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2005/12/17 21:36 |
| S200 | 26055 | S195 or S196 or S197 or S198 or S199 | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2005/12/17 21:36 |
| S201 | 547 | S200 and ((bragg near3 grating) same (optic\$4 near3 (fiber or waveguide))) and ((cut\$4 or cleav\$3 or break\$3 or slic\$3 or split\$4) with fiber) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2005/12/17 21:37 |
| S202 | 457 | S200 and ((bragg near3 grating) same (optic\$4 near3 (fiber or waveguide))) and ((phase or amplitude) near4 mask\$3) and (uv or ultraviolet or ultra?violet or (ultra near3 violet)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2005/12/17 21:37 |
| S203 | 134 | S202 and (drum or cylind\$) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2005/12/17 21:37 |
| S204 | 150 | S202 and (drum or cylind\$ or reel or spool\$3) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2005/12/17 21:37 |
| S205 | 457 | S200 and ((bragg near3 grating) same (optic\$4 near3 (fiber or waveguide))) and ((phase or amplitude) near4 mask\$3) and (uv or ultraviolet or ultra?violet or (ultra near3 violet)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2005/12/17 21:37 |
| S206 | 98 | ((wind\$4 or wound or wrap\$4) near5 (spool or reel or drum or cylind\$)) and ((expos\$ or writ\$ or record\$4) with ((bragg or diffract\$ or hologra\$) near3 grating)) and (optic\$4 near3 (fiber or waveguide)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2005/12/17 21:37 |
| S207 | 965 | ((base or substrate or fiber) and wind\$4 and (bond\$4 or adhe\$ or glue or epox\$ or attach\$4) and (cut\$5 or slic\$4 or split\$5) and (film or sheet or layer)).clm. | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2005/12/19 11:05 |
| S208 | 398 | ((base or substrate or fiber) with (wind\$4 or wrap\$5)) and ((bond\$4 or adhe\$ or glue or epox\$ or attach\$4) with (film or sheet or layer)) and (cut\$5 or slic\$4 or split\$5).clm. | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2005/12/19 11:13 |

EAST Search History

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|------|-----|--|---|----|-----|---------------------|
| S209 | 1 | S208 and ((writ\$ or record\$4 or expos\$4) with (bragg or grating)).clm. | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2005/12/19 11:08 |
| S210 | 3 | S208 and ((bragg or grating)).clm. | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2005/12/19 11:08 |
| S211 | 2 | (((base or substrate or fiber) with (bragg or grating)) and (wind\$4 or wrap\$5) and ((bond\$4 or adhe\$ or glue or epox\$ or attach\$4) with (film or sheet or layer)) and (cut\$5 or slic\$4 or split\$5)).clm. | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2005/12/19 11:11 |
| S212 | 1 | ((bragg or grating) and identif\$ and (wind\$4 or wrap\$5) and ((bond\$4 or adhe\$ or glue or epox\$ or attach\$4) with (film or sheet or layer)) and (cut\$5 or slic\$4 or split\$5)).clm. | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2005/12/19 11:12 |
| S213 | 117 | (((base or substrate or fiber) with (wind\$4 or wrap\$5)) and ((bond\$4 or adhe\$ or glue or epox\$4 or attach\$4) with (film or sheet or layer)) and (cut\$5 or slic\$4 or split\$5)) and ((writ\$ or record\$4 or expos\$4) with (bragg or grating)) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2005/12/19 12:06 |
| S214 | 517 | (((base or substrate or fiber) with (wind\$4 or wrap\$5)) and (cut\$5 or slic\$4 or split\$5) and ((writ\$ or record\$4 or expos\$4) with (bragg or grating))) | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2005/12/19 12:40 |
| S215 | 2 | ("5,400,422").PN. | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2005/12/19 12:40 |
| S216 | 11 | ("3712735" "4101373" "4136947" "4294782" "4888266" "5066133" "5104209" "5289231" "5367588" "5434424" "5655040").PN. | US-P6PUB; USPAT; USOCR | OR | ON | 2005/12/19 13:27 |
| S219 | 47 | ((("20020039732") or ("20030077038") or ("3891302") or ("3916182") or ("4725110") or ("4807950") or ("5367588") or ("5388173") or ("5559613") or ("5745815") or ("5981166") or ("6096596") or ("6159748") or ("6160656") or ("6174648") or ("6156501") or ("6355432") or ("6403320") or ("6416952") or ("6440667") or ("6544739") or ("6576424") or ("6646243") or ("4537504") or ("5633975")).PN. | US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB | OR | OFF | 2005/12/19 19:09 |